10

Office of the City Manager

To: Honorable Mayor and Members of the City Council

From: Paul Buddenhagen, City Manager

Submitted by: Kevin Fong, Director, Information Technology

Subject: Contract No. 112798-1 Amendment: Geographic Technologies Group for Geographic Information System Professional Services

RECOMMENDATION
Adopt a Resolution authorizing the City Manager to amend Contract No. 112798-1 with Geographic Technologies Group ("GTG") for Geographic Information System ("GIS") professional services, increasing the amount by $600,000 for a total contract value of $1,149,411 from September 14, 2016 to June 30, 2027.

FISCAL IMPACTS OF RECOMMENDATION
One-time funding for this project in the amount of $600,000 is available in the Department of Information Technology ("IT") FY2026 and FY2027 IT Cost Allocation Plan Fund.

$300,000	FY 2026: 680-35-377-6002-000-472-612990 (IT Cost Allocation, GIS, IT Professional Services)
$300,000	FY 2027: 680-35-377-6002-000-472-612990 (IT Cost Allocation, GIS, IT Professional Services)
$600,000	**Total FY26 and FY27 Professional Services**

CURRENT SITUATION AND ITS EFFECTS
GIS is a mission-critical component of the City of Berkeley's ("City") technology infrastructure. This software is essential to the City's ability to operate efficiently, make informed decisions, and deliver high-quality services to the community. GIS enables staff to visualize, analyze, and interpret data in a map-based format, providing actionable insights that support both day-to-day operations and long-term planning.

GIS is used extensively across nearly all departments—including Public Safety (Fire and Police), Public Works, and Planning—where timely and accurate location-based data is crucial. Whether it's optimizing emergency response routes, managing infrastructure assets, or evaluating development patterns, GIS plays a direct role in the City's ability to meet service demands and support community well-being.

To ensure the continued effectiveness and advancement of GIS, the City partners with GTG, a firm that provides expert-level GIS support. GTG brings the specialized knowledge and technical expertise needed to maintain system performance, support strategic projects, and extend the capabilities of City staff.

The City is seeking spending authority to continue this essential partnership with GTG over the next two fiscal years. This investment aligns directly with the City's strategic priority to be a customer-focused organization that provides excellent, timely, easily-accessible service and information to the community.

BACKGROUND
In May 2016, the City issued a Request for Proposals (RFP) for a GIS Master Plan under Specification No.16-11041-C. Of the nine responses, GTG best met the City's operational, technology, and fiscal requirements.

The GIS Master Plan development and planning process was a city-wide effort involving key staff representing many departments. GTG conducted surveys, interviews and onsite workshops with city staff to do an assessment and analysis of the City's current enterprise GIS. GTG evaluated the readiness of existing system infrastructure (hardware, software, and network) to support enterprise GIS and maintain service during disasters, assessed parcels and address data sets to meet GIS business needs and enterprise authoritative source requirements, and developed a governance plan that outlines the administration, maintenance, and support for the enterprise GIS. This effort resulted in the 2017 GIS Master plan.

Since this time, the City has contracted with GTG to complete multiple projects for the City including developing a GIS Community portal, digitizing city parks and land use boundaries, creating web and dashboard applications for Green City GIS software, and completed an ArcGIS Hub, and Crime Mapping solution.

GTG has completed these projects with quality and in a timely manner.

ENVIRONMENTAL SUSTAINABILITY AND CLIMATE IMPACTS
GIS information optimizes efficiency, reduces operational costs and promotes reduction in fossil fuel consumption. For example, Public Works uses GIS to optimize waste collection throughout the City. These technologies align with the City's goal to reduce greenhouse gas emissions by 2050 to 80% below 2000 levels per Climate Action Plan goals.

In addition, GTG will conduct all of their work remotely, saving both travel costs and greenhouse gas emissions related to travel.

RATIONALE FOR RECOMMENDATION
GTG is well versed in the requirements for public sector GIS and has specific expertise required by the City. GTG has a proven track record of delivering quality services in a

timely fashion. City staff do not have the expertise or bandwidth required to complete all the projects required by City departments.

GIS technologies are powerful tools for improving the quality, accuracy, efficiency, and responsiveness of government services provided by the City. An enterprise GIS guides a city-wide approach to GIS, focused on:

- Using mutually accepted standards, policies, and business practices;
- Encouraging collaborative GIS efforts among city, government, and related organizations;
- Integrating GIS technologies into city business operations;
- Supporting emergency and disaster planning, response, and recovery; and
- Maximizing the cost-effectiveness of GIS investments.

ALTERNATIVE ACTIONS CONSIDERED
Staff considered performing projects with internal resources; however, this would significantly delay project timelines. Additionally, staff believe it would be beneficial to get an outside perspective and expertise that could bring with them industry best practices and experience working with other local municipalities to help build upon the framework that the City can use for the next two years and beyond.

CONTACT PERSON
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Attachments:
1: Resolution

RESOLUTION NO. ##,###-N.S.

CONTRACT NO. 112798-2 AMENDMENT:
GEOGRAPHIC TECHNOLOGIES GROUP ("GTG") FOR GEOGRAPHICAL
INFORMATION SYSTEMS ("GIS") PROFESSIONAL SERVICES

WHEREAS, on May 12, 2016, the City issued a Request for Proposals (RFP) for a GIS Master Plan (Specification No.16-11041-C) and received nine qualifying vendor responses; and

WHEREAS, the RFP review committee evaluated each proposal and determined that the GTG proposal best met the City's operational, technological, and fiscal requirements; and

WHEREAS, on November 02, 2016, the original contract was signed to develop a GIS Master Plan; and

WHEREAS, on September 08, 2017, the original contract was amended to include additional tasks to conduct a comprehensive GIS data assessment, deploy a web-based public facing GIS portal, develop GIS policies and standard operating procedures for the City, and establish a one-year GIS work plan; and

WHEREAS, on September 10, 2019 the contract was amended to add two additional projects to enhance the functionality of the recently deployed GIS Community portal, and a comprehensive inventory of the City of Berkeley's parks system to prepare for an upcoming work order; and

WHEREAS, on August 3, 2020, the contract was amended to add two additional projects to digitize park boundaries and land use and to set up a web and dashboard applications for City GreenCity GIS software; and

WHEREAS, on November 30, 2021, the contract was amended to add three additional projects to implement the Berkeley Parcel Condition Widget, ArcGIS Hub, and Crime Mapping solution; and

WHEREAS, funding in the amount of $600,000 is available in the Department of Information Technology's Fiscal Year FY2026 and FY2027 Cost Allocation Plan fund.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to execute a contract amendment with GTG for GIS professional services, increasing the amount by $600,000 for a total contract value of $1,149,411 from September 14, 2016 to June 30, 2027.